

Substance Details Report

January 9, 2017

Core Metadata

Substance Type	Chemical Substance
EPA Registry Name	Isobutyl chloroformate
EPA Registry Name List	Chemical Identification
Systematic Name	Carbonochloridic acid, 2-methylpropyl ester
Systematic Name List	Chemical Abstracts Index Name
Preferred Acronym	
CAS Number	543-27-1
EPA Identification Number	
TSN Number	
Kingdom	
ICTVDB	
Molecular Formula	C5H9ClO2
Molecular Weight	136.58
Comment/Description	

Internal Tracking Number	52563
Substance Status	Approved

Definition

Classifications

Associated Identifiers

There is no information about former or incorrectly used identifiers.

Structure

Notation	Notation Type
<chem>O=C(OCC(C)C)Cl</chem>	SMILES

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Synonym

Below are the EPA applications/systems, statutes/regulations, or other sources that track or regulate this substance. This table shows how each list refers to the substance.

Statutes/Regulations

Statutes/Regulations	Synonym	Synonym Quality	Effective Date	End Date
2016 CDR TSCA Inv	Isobutyl chloroformate	Valid		
TSCA Inv	Carbonochloridic acid, 2-methylpropyl ester	Valid		

EPA Applications/Systems

EPA Application/System	Synonym	Synonym Quality	Effective Date	End Date
2012 CDR	Carbonochloridic acid, 2-methylpropyl ester	Valid		
2012 CDR	Formic acid, chloro-, isobutyl ester	Valid		
CAMEO Chemicals	Isobutyl chloroformate	Valid		
CERCLIS3	Isobutyl chloroformate	Valid		
GCES	Carbonochloridic acid, 2-methylpropyl ester	Valid		
TSCA Inv Syns	Isobutyl chloroformate	Valid		

Other Sources

Other Sources	Synonym	Synonym Quality	Effective Date	End Date
CA Index	Carbonochloridic acid, 2-methylpropyl ester	Valid		
CUS86	Formic acid, chloro-, isobutyl ester	Valid		
CUS94	Formic acid, chloro-, isobutyl ester	Valid		
CUS98	Carbonochloridic acid, 2-methylpropyl ester	Valid		
ChemIDStd	Isobutyl chloroformate	Valid		
FDA	ISOBUTYL CHLOROCARBONATE	Unknown		
Merck(11)	Isobutyl carbamate	Inaccurate		

Ad Hoc List

Ad Hoc List	Synonym	Synonym Quality	Effective Date	End Date
AEGL	i-butyl chloroformate	Unknown		

EPA Synonyms

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There are no Synonyms of this type.

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Component Of

Systematic Name	Synonym	CAS Number	TSN	EPA Identifier	Effective Date	End Date
Volatile organic compounds	VOCs			E761346		

Related References

<http://chem.sis.nlm.nih.gov/chemidplus/direct.jsp?regno=543-27-1&result=advanced>

<http://fdasis.nlm.nih.gov/srs/srsdirect.jsp?regno=6S785TC0OB>

<http://chem.sis.nlm.nih.gov/chemidplus/direct.jsp?regno=0000543271>